







Combination Starter Reversing FLA Range 0.45-0.63A 3 Pole 24VDC Coil S2  
Open Type 1NO <-> 1NC Aux

<b>product brand name</b>	SIRIUS
<b>product designation</b>	non-fused motor starter 3RA2
<b>design of the product</b>	reversing starter
<b>manufacturer's article number</b>	
<ul style="list-style-type: none"> <li>of the supplied contactor</li> <li>of the supplied circuit-breakers</li> <li>of the supplied RH assembly kit</li> <li>of the supplied busbar adapter</li> <li>of the supplied link module</li> <li>of the supplied DIN-rail adapter</li> </ul>	<a href="#">3RT2023-1BB40</a> <a href="#">3RV2011-0GA10</a> <a href="#">3RA2923-1BB1</a> <a href="#">3RA2922-1AA00</a> <a href="#">3RA2921-1BA00</a> <a href="#">3RA2922-1AA00</a>
<b>General technical data</b>	
<b>size of the circuit-breaker</b>	S00
<b>size of load feeder</b>	S0
product extension auxiliary switch	Yes
insulation voltage with degree of pollution 3 at AC rated value	690 V
<b>degree of pollution</b>	3
<b>surge voltage resistance rated value</b>	6 kV
<b>shock resistance according to IEC 60068-2-27</b>	6 g / 11 ms
mechanical service life (operating cycles) of contactor typical	10 000 000
<b>type of coordination</b>	2
<b>Net Weight</b>	1.81 kg
<b>Ambient conditions</b>	
<b>ambient temperature</b>	
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> <li>during transport</li> </ul>	-20 ... +60 °C -50 ... +80 °C -55 ... +80 °C
<b>Main circuit</b>	
<b>number of poles for main current circuit</b>	3
<b>design of the switching contact</b>	electromechanical
<b>adjustable current response value current of the current-dependent overload release</b>	0.45 ... 0.63 A
<b>operating voltage</b>	
<ul style="list-style-type: none"> <li>rated value</li> <li>at AC-3 rated value maximum</li> </ul>	690 V 690 V
<b>operating frequency rated value</b>	50 ... 60 Hz
operational current at AC-3 at 400 V rated value	0.6 A
operating power at AC-3	
<ul style="list-style-type: none"> <li>at 400 V rated value</li> <li>at 500 V rated value</li> </ul>	180 W 180 W

• at 690 V rated value	250 W				
<b>Control circuit/ Control</b>					
control supply voltage at DC rated value	24 V				
holding power of magnet coil at DC	5.9 W				
<b>Auxiliary circuit</b>					
number of NC contacts for auxiliary contacts	2				
number of NO contacts for auxiliary contacts	2				
<b>Protective and monitoring functions</b>					
trip class	CLASS 10				
design of the overload release	thermal (bimetallic)				
response value current of instantaneous short-circuit trip unit	8.19 A				
<b>Short-circuit protection</b>					
product function short circuit protection	Yes				
design of the short-circuit trip	magnetic				
conditional short-circuit current (I <sub>q</sub> )					
• at 400 V according to IEC 60947-4-1 rated value	153 000 A				
<b>Installation/ mounting/ dimensions</b>					
mounting position	vertical				
fastening method	snap-on fastening on 35 mm DIN rail				
height	265 mm				
width	90 mm				
depth	130 mm				
required spacing					
• for grounded parts					
— forwards	10 mm				
— backwards	0 mm				
— upwards	30 mm				
— at the side	9 mm				
— downwards	10 mm				
• for live parts					
— forwards	10 mm				
— backwards	0 mm				
— upwards	30 mm				
— downwards	10 mm				
— at the side	9 mm				
<b>Connections/ Terminals</b>					
type of electrical connection for main current circuit	screw-type terminals				
type of connectable conductor cross-sections for main contacts stranded	1 ... 10 mm <sup>2</sup> , 2x (2.5 ... 6 mm <sup>2</sup> )				
connectable conductor cross-section for main contacts finely stranded with core end processing	1 ... 6 mm <sup>2</sup>				
<b>Safety related data</b>					
proportion of dangerous failures with high demand rate according to SN 31920	73 %				
<b>B10 value with high demand rate according to SN 31920</b>	1 000 000				
<b>Electrical Safety</b>					
protection class IP on the front according to IEC 60529	IP20				
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front				
<b>Approvals Certificates</b>					
Environment	General Product Approval	For use in hazardous locations	other		
<a href="#">Environmental Conformations</a>		 EG-Konf.		 ATEX	<a href="#">Confirmation</a>
other	Dangerous goods				



## Further information

## Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

## Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

## Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

## Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2220-0GB23-0BB4>

## Service&amp;Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RA2220-0GB23-0BB4>

## Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

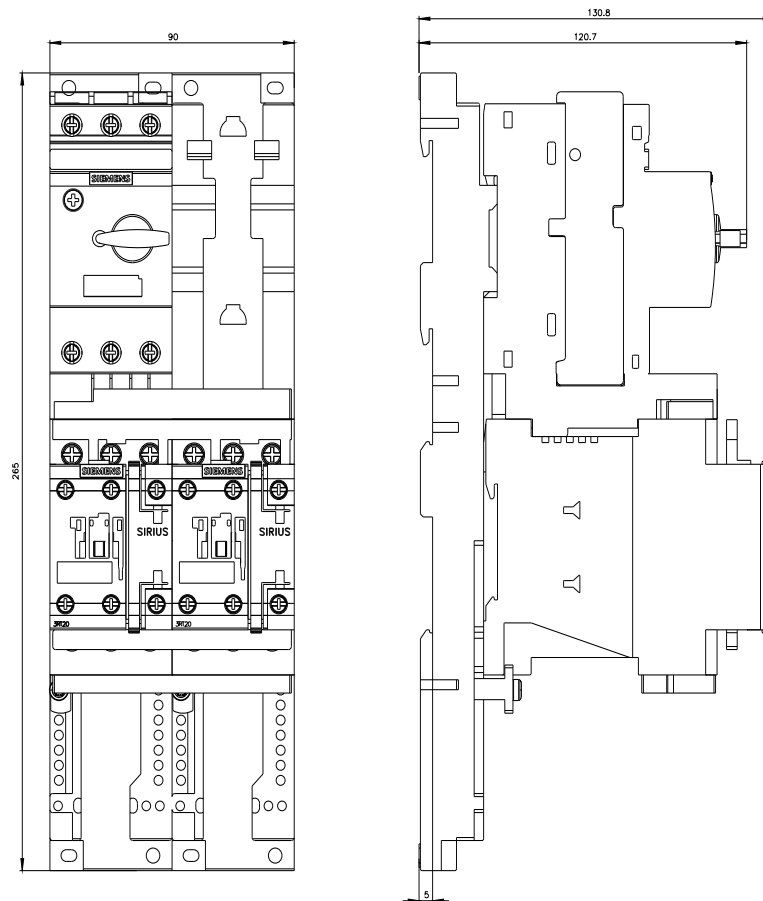
[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RA2220-0GB23-0BB4&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RA2220-0GB23-0BB4&lang=en)

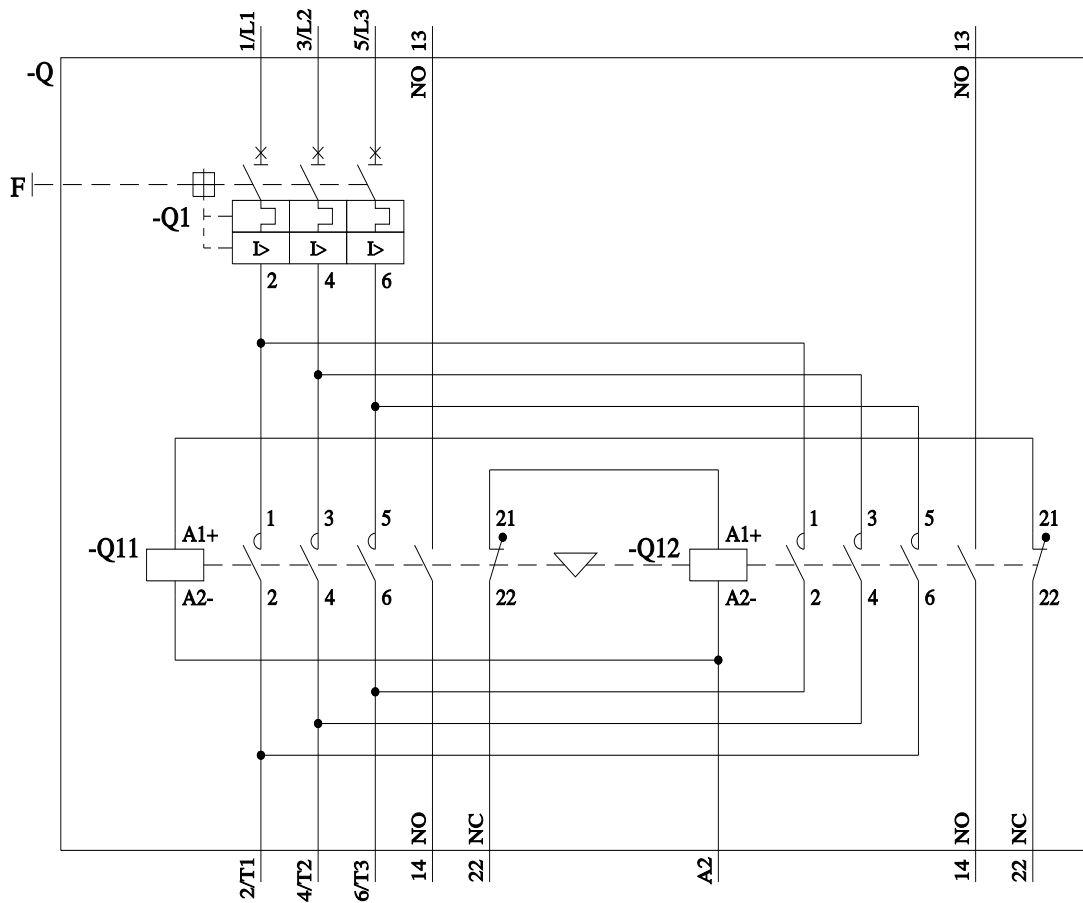
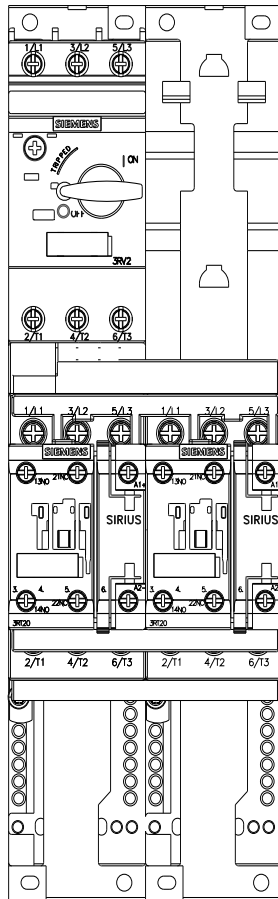
## Cax online generator

<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2220-0GB23-0BB4>

## Characteristic curves

[https://curves.simaris.siemens.com/curves/<mmp\\_prod\\_noCOMP="HAUPT"></mmp\\_prod\\_no>](https://curves.simaris.siemens.com/curves/<mmp_prod_noCOMP=)





last modified:

4/4/2026